

CDF SERIES
Electrolytic capacitors for rapid strobe flash applications.
◆ FEATURES

 Long life under rapid charge and discharge use. RoHS compliance.
◆ CAUTION

CDF series is designed, manufactured and intended solely for use in signal light with strobe-flash.
 This is not intended for use in medical equipment.
 Rubycon Corporation, Rubycon America, Inc., and Shin-Ei Capacitor Foil Company, Ltd. expressly disclaim any warranties or representations as to the suitability or fitness of this capacitor for use in medical equipment.


◆ SPECIFICATIONS

Items	Characteristics	
Category Temperature Range	-25 ~ +70°C	
Rated Voltage Range	360V.DC	450V.DC
Withstand Voltage	390V.DC	500V.DC
Capacitance Tolerance	-10~+20% (25°C, 120Hz)	
Leakage Current(MAX)	$I=3\sqrt{CV}$ (After 5 minutes application of rated voltage) I=Leakage Current(µA) V=Rated Voltage(V) C=Rated Capacitance(µF)	
Dissipation Factor(MAX) (tanδ)	0.07 (25°C, 120Hz)	
Charge and Discharge	Charge and discharge at rated voltage at 45°C in every 1 second for 1 million times via Xe flash tube.	
	Capacitance Change	Within ±10% of the initial value.
	Dissipation Factor	Not more than 150% of the specified value.
	Leakage Current	Not more than 200% of the specified value.
Shelf Life	Storage without voltage applied at 70°C for 500 hours and measured at 25°C ± 5°C after voltage processing in JIS C 5101-4 item 4.1.	
	Capacitance Change	Within ±10% of the initial value.
	Dissipation Factor	Not more than 150% of the specified value.
	Leakage Current	Not more than 300% of the specified value.

◆ STANDARD SIZE

Cap(µF)	wv φD	360				450			
		φ22	φ25	φ30	φ35	φ22	φ25	φ30	φ35
40						22×35			
50						22×40	25×35		
60		22×30				22×50	25×39		
80		22×40	25×30				25×45		
100		22×50	25×39				25×55	30×45	
120			25×45					30×51	
150			25×51	30×41				30×51	35×45
200				30×45				30×65	35×56
300				30×65	35×51				35×66
400					35×66				

 ↑ Case Size φD^{+1MAX}×L^{±2}(mm)